REV	BRIEF DESCRIPTION OF CHANGE	ECO	DATE	BY	APPR

SEE SHEET 13

SH 3 INT33
ON /OFF J21 44 QINTIAL
SH 12
SH 3 INT32
SH 1 INT14
K3(-) J6 17
K3(+) J6 18
K1, K2 - J6 19
K1, K2 + J6 20
TO K3 SH 8 INKC INKD
INK A J6 6
TO COVER INK J23 1 J23 2
INK B J6 9
SIMMER OSC LED J2 24
SIMMER - J6 23
LAMP BLANK SH 1,3 INT10
A LAMP J21 14
SH 9 SOFT LAMP BLANK
SH 9 INT44
SCR GATE(+) J6 15
SCR GATE(-) J6 16
SIMMER + J6 24
AMP SIMMER + J21 3
SIMMER MONITOR J25 25

R117 560 — U55 CD4049 — +15V — GND — TP33 CDRH TIME OUT
TP21 — Q30 VN10KM — R192 100
R32 220 1W — R33 220 1W — R34 220 1W — C24 0.1 — +15V — GND
TP20 — Q25 VN10KM — R166 100
TP19 — TP24 — TP35 — TP34
R171 100 2W — R170 100 2W — R169 100 2W — C199 0.1 — +15V — GND
C83 0.1 — +5V — GND
R97 1K — U18 CD40107 — R98 100 — C82 0.1 — GND
R280 100 — Q16 2N3904 — R99 6.8K
INHIBIT = H LAMPS ON = L
R188 560 — U55 CD4049 — U55 CD4049 — C63 0.1 — U26 CD4071 — +15V — GND
LOW WHEN SIMMER ON
R111 1K — R112 10K — +15V
R114 1K — R113 20K — C64 0.1 — C62 0.1 — U26 CD4071
U68 CD4001B — R180 20K — GND
R116 20K — R115 20K

C127 0.1 — +15V — U42 CD40106 — GND
TP50 — GND
U55 CD4049 — R187 4.75K — C128 .01 — GND
U26 CD4071 — +15V — GND
R189 20K — R190 20K — J25 26 INTERLOCK MONITOR
R191 20K — GND
C45 0.1 — +15V — U18 CD40107 — GND
INK FAULT = 1 — R96 1K — +5V — C81 0.1 — GND
INTERLOCK FAULT — DS4 RTL — +5V — Q17 2N3904 — GND
C92 .01 — +15V — Q20 2N3904 — GND
R237 100K — R278 1K — J2 25 LAMP INHIBIT LED
R20 220 1/2W — C14 100 35V — C13 0.1 — +15V
R23 10 — C15 0.1 — GND
CR8 1N914 — Q4 VN10KM — TP18 SCR 1 TRG — GND
U29 EL7212 — +15V — U34 CD4049 — +15V — GND
INT36 SH 3
QSWR SH 9 ADD ON, ADD ON
R76 1M — C61 1.0 — +15V — U7 CD4098 — GND
U26 CD4071 — +15V — U55 CD4049 — +15V — GND
SCR SH 3

FILE :MAIN5.SCH

QTY	ITEM	PART NUMBER	DESCRIPTION

	NAME	DATE
DRTS.	B.PATRICK	1/97
CHK.		
ENG.	S.LAWRENCE	1/97
MFG.		

MODEL	NEXT ASSY.

FINISH:

Spectra-Physics — MOUNTAIN VIEW CA 94042

TOLERANCES, UNLESS OTHERWISE SPECIFIED: .X ± mm: ± .XX ± ANGLES: ± .XXX ± SURF.FIN: ✓

CONFIDENTIAL: SPECTRA-PHYSICS PROPRIETARY

GENERAL TOLERANCES PER DOCUMENT NO. C-5124

SCHEMATIC, MAIN CONTROL P.C.B.

SCALE	SIZE	DRAWING NUMBER	SHEET 5 OF 13	REV.
NONE	D	0452-9680		1